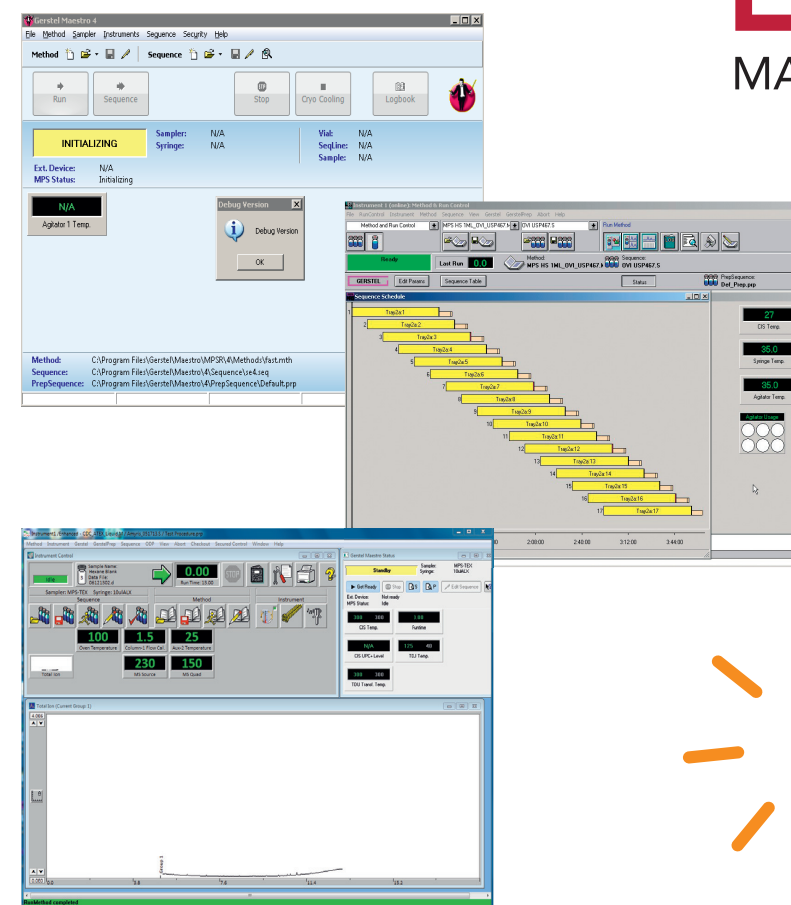## Integrated Software Tools
Simplify Complex Tasks

- **Calibration Standard Wizard:** Create sequences for automated calibration standard preparation
- **Accurate ADD & Calculate ADD Wizard:** Accurate volume dispensing for single and multiple additions
- **Large Volume Injection (LVI) Calculator:** Determines the optimal injection speed for LVI based on solvent, CIS temperature, and carrier gas flow and automatically updates method with results
- **MAESTRO Sandwich Injection:** Tools to help build sandwich injections (GC or LC) with solvent and sample in user-defined order

Over 30 sample introduction and preparation techniques!

Supported Techniques

- Headspace Injection
- Multiple Headspace Injections
- SPME
- SPME Arrow
- Thermal Desorption
  - Sorbent packed tubes
  - Direct thermal extraction
  - Multi-desorption mode
  - Twister®
  - TF-SPME
  - Liquid matrices in µ-vials
  - Multiple SPME injections
- Pyrolysis
  - Pulsed, Ramped, EGA, and Smart Ramped
- Dynamic Headspace (DHS)
  - Full Evaporation Dynamic Headspace
  - Multi-Volatiles Method
- Dynamic Headspace Large

Sample Preparation

- Dilution
- Standard Addition
- Calibration Curve Preparation
- Bar Code Reading
- Filtration
- Evaporation
- Weighing
- Mixing
- Centrifugation
- Multiple SPE Options
- Sonication

Additional Modules for Advanced Problem-Solving

- Olfactory Detection Port
- Preparative Fraction Collector
- Cryo Trap System
- Selectable 1D/2D GC for Heartcutting

Sample Introduction

- Liquid Injection
- Cold On-Column Injection
- Large Volume Injection

GERSTEL
MAKING LABS WORK

| Simple User Interface | Unmatched Flexibility | Extensive Context-Sensitive Help | Advanced Sequence Scheduling and Overlapping | Comprehensive Integration | Maximum Security |

MAESTRO Software

A flexible and robust automation platform for sample preparation and sample introduction

Sample Prep by Mouse Click
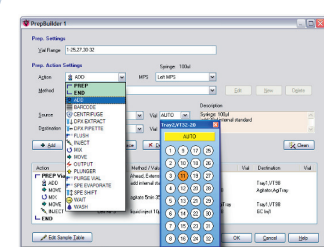
MAESTRO Software
Sample Prep by Mouse Click

MAESTRO Software
Sample Prep by Mouse Click

Quick & Easy Method Development

Simple User Interface
Intuitive design and graphics enable proficiency in minutes

- Effortless creation of custom sample preparation methods through the PrepBuilder function
- Easy to use graphical interface for development of sample preparation sequences
- Easy to edit and optimize sequences and parameters
- Copy and paste steps for fast and simple method development
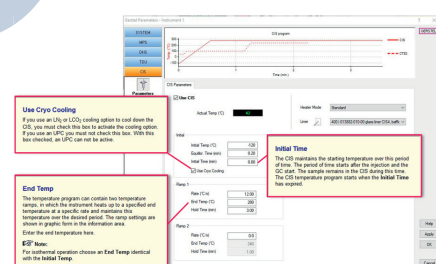
Unmatched Flexibility
Versatile platform to customize sample preparation and edit active sequences

- Freedom to add samples at any point in the analysis sequence, accommodating last minute and high priority additions without having to stop a run
- Create custom sequences as part of, or independently of, an injection method
- Flexible options for the tasks performed as part of an injection method to fit the user's needs (e.g. SPME on-fiber derivatization before OR after sample extraction, etc.)
- Automated integration of new accessories and modules

Extensive Online and Context-Sensitive Help
Guidance for successful and simplified method development and optimization
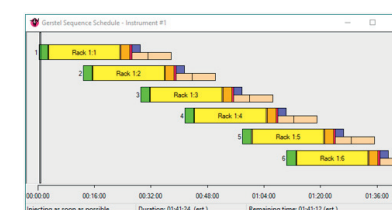
- Simple method creation and editing with extensive descriptions of parameters and special help functions by mouse-click
- In depth information through pop-ups and the integrated user manual, ensuring successful method development and optimization

Simplified Analysis Setup

Advanced Sequence Scheduling and Overlapping
Maximize sample throughput and lab productivity

- Simple planning of analysis with graphical overview of sample preparation steps via the Sequence Scheduler
- Quickly view the estimated total analysis time for a batch of samples
- Easy optimization of sample preparation and analysis times for maximum throughput
- Unrestricted overlapping of custom sample preparation sequences
- Multi-sample PrepAhead for techniques like SPME and Static Headspace
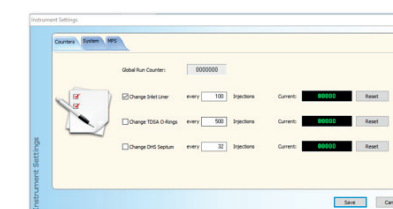
Comprehensive Integration
Simple system operation with one method, one sequence table, and one interface

- Operation in stand-alone mode, fully integrated with Agilent Technologies GC-MS Software, or coupled with LC-MS software
- Complete system control from sample preparation to GC-MS with just one method and one sequence table, ensuring method and data integrity
- Creation of sample preparation sequences in the same integrated platform so that instrument parameters are accessible for optimal overlapping and sequence scheduling
- Compatible with any acquisition software that is activated by external run signal

Maximum Reliability and Security
Catch errors before they occur and protect system components

- Validity checks at various points of method creation to catch errors before the run starts
- Automated e-mail notification of system deviations ensures that problems are quickly resolved
- Log files and service log file functions allow the user to easily track and troubleshoot issues
- Maintenance counters provide reminders to change consumable parts or perform regular maintenance tasks